

Work Order ID 99940

April-16-13 12:36:46 PM

\*99940\*

Page 1

Item ID: 646.4001

Accept

Revision ID:

Item Name: AS350 Cable Cutter

Start Date: 4/16/13 Start Qty: 1.00

\*1\*

Required Date: 4/30/13 Req'd Qty: 1.00

\*1\*

Reference:

Approvals: Process Plan: MLC

Date: 13-04-13 Tooling:

Date:

Run Start

\*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop

\*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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646.4000	A
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100		0.00	AS	21	6	1			
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\*100\* DOCUMENT CONTROL 13-04-13 13-04-13

DC Memo 0.00

Document Control Photocopy bluefile & type labels per PPP 646.4001

110	Pick Kit	0.00	AS	21	6	1			
-----	----------	------	----	----	---	---	--	--	--

\*110\* Packaging Memo 0.00

Packaging

Packaging

120	QC4- 100% Inspect kits for completeness	0.00	AS	21	6	1			
-----	---	------	----	----	---	---	--	--	--

\*120\* QC Memo 0.00

Quality Control

NCR: Yes / No

DQA: Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS					
				Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other			
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear Bending Centre Not Concentric to O/S Cracks Crushed/Crimped. Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend Torque Waves in Extrusion Turning Sequence Wave/Twist in Tube				General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes Drawing Finish Folio		Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled Misread Offset Out of Calibration Out of Sequence Outside Dimensions		Ovalized Over/Under tolerance Part Incorrect Part Lost/Missing Part Moved Positioned Wrong Power Loss/Surge		Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled  Other	



NCR: Yes / No

DQA: Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION		AGAINST DEPARTMENT/PROCESS					
				Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other			
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data											
Equip/Tooling											
Operator											
Material											
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Training											
Unapproved											
FAULT CATEGORY											
Landing Gear Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube Ripples in Bend Torque Waves in Extrusion Turning Sequence Wave/Twist in Tube				General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short Drill Holes Drawing Finish Folio		Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled Misread Offset Out of Calibration Out of Sequence Outside Dimensions		Ovalized Over/Under tolerance Part Incorrect Part Lost/Missing Part Moved Positioned Wrong Power Loss/Surge		Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled  Other	

# Picklist Print

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Page 1

Work Order ID: 99940

\*99940\*  
\*646 4001\*

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Required Date: 4/30/13

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.10.23 NEW ISSUE DD VERF;JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
646.3301 <del>*646 3301*</del>		Manufactured	No				Each	25.0000		**			

Upper Cutter Assembly

Shp

## Location

ST139A 7

125083 7

ST545 18

93247 18

Each 17.0000

## Loc Code

\_\_\_\_\_

\_\_\_\_\_

93247

\_\_\_\_\_

100540

\_\_\_\_\_

646.3001

~~\*646 3001\*~~

Manufactured No

Shp

## Location

ST139A 9

125083 9

ST537 8

93425 8

Each 6.0000

## Loc Code

\_\_\_\_\_

\_\_\_\_\_

100540

\_\_\_\_\_

646.2910

~~\*646 2910\*~~

Manufactured No

Shp

## Location

ST139A 6

125083 6

\*\*

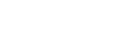
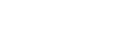
\_\_\_\_\_

\_\_\_\_\_

100540

\_\_\_\_\_

R



NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
Part No. _____			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
Bending		Bend		Grain		Ovalized		Pressure/Forced			
Centre Not Concentric to O/S		BOM/Route		Hardware		Over/Under tolerance		Temperature/Cure			
Cracks		Broken/Damaged		Inspection Incomplete		Part Incorrect		Weld			
Crushed/Crimped		Burrs		Instructions Incomplete/Unclear		Part Lost/Missing		Wrong Stock Pulled			
Cuffs		Contamination		Maintenance		Part Moved					
Heat Treat		Countersink		Mislabeled		Positioned Wrong					
Inspection Strip in Tube		Cut Too Short		Misread		Power Loss/Surge					
Ripples in Bend		Drill Holes		Offset							
Torque Waves in Extrusion		Drawing		Out of Calibration							
Turning Sequence		Finish		Out of Sequence							
Wave/Twist in Tube		Folio		Outside Dimensions							

# Picklist Print

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Page 2

Work Order ID: 99940

\*99940\*

Parent Item: 646.4001

\*646 4001\*

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Required Date: 4/30/13

646.3810

Manufactured No

Each 8.0000

Start Qty: 1.00

Required Qty: 1.00

\*646 3810\*

Bracket

Shp

\*\*

2  
B100130 1X  
BS8721 1X

646.3510

Manufactured No

Each 3.0000

\*\*

\*646 3510\*

Strut

Shp

Location	Loc Qty	Loc Code
ST139A	8	
	8	

93300

Location	Loc Qty	Loc Code
ST139B	3	
	3	

125083

Location	Loc Qty	Loc Code
ST139B	3	
	3	

Each 3.0000

\*\*

99609 C Shp

646.3511

Manufactured No

Each 2.0000

\*\*

\*646 3511\*

Strut

Shp

Location	Loc Qty	Loc Code
ST	2	
	2	

125023

Location	Loc Qty	Loc Code
ST	2	
	2	

Each 1.0000

\*\*

B10114 Shp

646.3512

Manufactured No

Each 1.0000

\*\*

\*646 3512\*

Strut

Shp

Location	Loc Qty	Loc Code
ST139A	1	
	1	

125083

Location	Loc Qty	Loc Code
ST139A	1	
	1	

Each 24.0000

\*\*

110115 Shp

646.3513

Manufactured No

Each 24.0000

\*\*

\*646 3513\*

Strut

Shp

Location	Loc Qty	Loc Code
ST139A	24	
	24	

125083

Location	Loc Qty	Loc Code
ST139A	24	
	24	

Each 24.0000

\*\*

125083 Shp

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S. <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled							



NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS							
			Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector			
Doc/Data <input type="checkbox"/> Equip/Tooling <input type="checkbox"/> Operator <input type="checkbox"/> Material <input type="checkbox"/> Setup <input type="checkbox"/> Other <input type="checkbox"/> Process <input type="checkbox"/> Supplier <input type="checkbox"/> Training <input type="checkbox"/> Unapproved <input type="checkbox"/>												
FAULT CATEGORY												
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	<input type="checkbox"/> Other

# Picklist Print

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Page 4

Work Order ID: 99940

\*99940\*  
\*646 4001\*

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

646.3110

Manufactured No

Each 6.0000

\*\*

\*646 3110\*

Channel

Shp

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139A	6	
125083	6	

646.3710

Manufactured No

Each 22.0000

\*\*

\*646 3710\*

Doubler

Shp

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST425	22	
97175	22	

646.3210

Manufactured No

Each 5.0000

\*\*

\*646 3210\*

Support

Shp

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST538	5	
93488	5	

646.3713

Manufactured No

Each 7.0000

\*\*

\*646 3713\*

Gusset

Shp

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139A	7	
93208	7	

NCR: Yes / No

DQA: Date:

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Part No. _____											
NCR No. _____											
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled							

# Picklist Print

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Work Order ID: 99940

\*99940\*  
\*646 4001\*

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

MS24694-S51

Purchased

No

\*MS24694-S51\*

Screw

Shf

Location

ST303  
116805  
123741

AN3-13A

Purchased

No

\*AN3-13A\*

Bolt

Shf

Location

ST351  
104746  
120910  
ST512  
123759

AN3-4A

Purchased

No

\*AN3-4A\*

Bolt

Shf

Location

ST350  
120308  
122814  
124858  
ST512  
120770  
123900

Start Date: 4/16/13

Start Qty: 1.00

\*\*

Loc Qty

108  
1  
107  
Each

Loc Code

95.0000

\*\*

Loc Qty

45  
15  
30  
50  
50  
Each

Loc Code

453.0000

\*\*

Loc Qty

318  
80  
38  
200  
135  
134  
1

Loc Code

124858

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							

# Picklist Print

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Work Order ID: 99940

\*99940\*

Parent Item: 646.4001

\*646 4001\*

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Required Date: 4/30/13

CR3213-5-3

Purchased

No

Each 300.0000

\*\*

14

\*CR3213-5-3\*

Cherry Rivet

Shp

Location

ST329

Loc Qty

300

Loc Code

123785

MS20470AD5-5.5

Purchased

No

Each 741.0000

\*\*

123785

8

\*MS20470AD5-5.5\*

Rivet

Shp

Location

ST336

Loc Qty

741

Loc Code

123425

646.3711

Manufactured

No

Each 2.0000

\*\*

123425

1

\*646.3711\*

Clip

Shp

Location

ST139B

Loc Qty

2

Loc Code

125083

646.3712

Manufactured

No

Each 2.0000

\*\*

123425

1

(\*646.3712\*

Shp

Location

ST139B

Loc Qty

2

Loc Code

125083

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
Part No. _____			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
NCR No. _____			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
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Unapproved											
FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled							

# Picklist Print

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Page 7

Work Order ID: 99940

\*99940\*  
\*646 4001\*

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

646.3811

Manufactured No

Each 29.0000

\*\*

\*646 3811\*

Radius Block

SHB

1

2

3

AN3-6A

Purchased No

Each 438.0000

\*\*

\*AN3-6A\*

Bolt

SHB

1

2

3

MS24694-S55

Purchased No

Each 92.0000

\*\*

\*MS24694-S55\*

Screw

SHB

1

2

3

Spec 3

Location	Loc Qty	Loc Code
ST303	92	
124296	92	

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS								
			Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>						
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector				
Doc/Data <input type="checkbox"/> Equip/Tooling <input type="checkbox"/> Operator <input type="checkbox"/> Material <input type="checkbox"/> Setup <input type="checkbox"/> Other <input type="checkbox"/> Process <input type="checkbox"/> Supplier <input type="checkbox"/> Training <input type="checkbox"/> Unapproved <input type="checkbox"/>													
FAULT CATEGORY													
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio  <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other			

# Picklist Print

April-16-13 12:36:51 PM

Page 8

Work Order ID: 99940

\*99940\*

Parent Item: 646.4001

\*646 4001\*

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Required Date: 4/30/13

646.3610

Manufactured No

Each 18.0000

\*\*

\*646-3610\*

Filler

Shp

1

2

646.3714

Manufactured No

Each 2.0000

\*\*

\*646-3714\*

Gusset

Shp

99934

99597

3

MS20470AD5-6

Purchased No

Each 1,756.000

\*\*

\*MS20470AD5-6\*

Rivet

Shp

8

4

646.3812

Manufactured No

Each 9.0000

\*\*

\*646-3812\*

Gusset Bracket

Shp

100433

99607

4

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data <input type="checkbox"/> Equip/Tooling <input type="checkbox"/> Operator <input type="checkbox"/> Material <input type="checkbox"/> Setup <input type="checkbox"/> Other <input type="checkbox"/> Process <input type="checkbox"/> Supplier <input type="checkbox"/> Training <input type="checkbox"/> Unapproved <input type="checkbox"/>											
FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio  <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Other							

# Picklist Print

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Page 9

Work Order ID: 99940

\*99940\*

Parent Item: 646.4001

\*646 4001\*

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

AN3-3A

Purchased

No

Each

268.0000

\*\*

\*AN3-3A\*

Bolt

646.3813

Manufactured

No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST350	268	
123831	7	
<u>124221</u>	200	
124552	61	

Each 5.0000

\*\*

\*646-3813\*

Strut Bracket

MS20470AD5-7

Purchased

No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139d	5	
125083	5	

Each 2,194.000

\*\*

\*MS20470AD5-7\*

Rivet

MS21047-3

Purchased

No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
Mezz	1384	
2655	799	
3011	585	

Each 445.0000

\*\*

\*MS21047-3\*

NUT PLATE

SNP

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST316	445	
123268	75	
123301	50	
<u>123522</u>	320	

123522

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS									
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other								
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector				
Doc/Data															
Equip/Tooling															
Operator															
Material															
Setup															
Other															
Process															
Supplier															
Training															
Unapproved															
FAULT CATEGORY															
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio				<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	

# Picklist Print

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Page 10

Work Order ID: 99940

\*99940\*

Parent Item: 646.4001

\*646 4001\*

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Required Date: 4/30/13

CCR264SS3-02

Purchased

No

Each 740.0000

\*CCR264SS3-02\*

Rivet, Cherry

AN3-5A

Purchased

No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST327	740	
106578	100	
123785	240	
124231	200	
124259	200	
Each	1,103.000	

\*\*

\*AN3-5A\*

Bolt

Shb

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FP001	86	
122800	86	
GA	120	
117423	120	
ST350	22	
120187	22	
ST512	875	
122416	75	
124561	800	
Each	12.0000	

\*\*

646.3715

\*646 3715\*

Strut Doubler

Shb

Manufactured No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139B	12	
93338	12	

\*\*

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description		Sign & Date	Verification	QC Inspector
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
				Bending	Grain	Ovalized	Pressure/Forced				
Centre Not Concentric to O/S	BOM/Route	Hardware	Temperature/Cure								
Cracks	Broken/Damaged	Inspection Incomplete	Part Incorrect								
Crushed/Crimped.	Burrs	Instructions Incomplete/Unclear	Part Lost/Missing								
Cuffs	Contamination	Maintenance	Part Moved								
Heat Treat	Countersink	Mislabeled	Positioned Wrong								
Inspection Strip in Tube	Cut Too Short	Misread	Power Loss/Surge								
Ripples in Bend	Drill Holes	Offset	Other								
Torque Waves in Extrusion	Drawing	Out of Calibration									
Turning Sequence	Finish	Out of Sequence									
Wave/Twist in Tube	Folio	Outside Dimensions									

# Picklist Print

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Work Order ID: 99940

\*99940\*  
\*646 4001\*

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

MS27039-1-12

Purchased

No

Each 169.0000

\*\*

6

Screw

Shp

Location

Mezz

Loc Qty

169

Loc Code

100993

169

Each

4.0000

\*\*

100593

1

m102652

6

646.3716

Manufactured

No

—

Location

125083

Loc Qty

4

Loc Code

125083

4

Each

813.0000

\*\*

—

2

6

MS20426AD5-7

Purchased

No

Location

ST334

Loc Qty

813

Loc Code

101340

813

Each

76.0000

\*\*

101340

2

m10530

6

MS24694-S54

Purchased

No

Location

ST303

Loc Qty

76

Loc Code

123900

1

124859

75

—

—

—

\*MS24694-S54\*

Shp

Shp

SAC 2

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS														
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Part No. _____		NCR No. _____		Work Order Update <input type="checkbox"/>																
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description			Sign & Date	Verification		QC Inspector							
Doc/Data <input type="checkbox"/>																				
Equip/Tooling <input type="checkbox"/>																				
Operator <input type="checkbox"/>																				
Material <input type="checkbox"/>																				
Setup <input type="checkbox"/>																				
Other <input type="checkbox"/>																				
Process <input type="checkbox"/>																				
Supplier <input type="checkbox"/>																				
Training <input type="checkbox"/>																				
Unapproved <input type="checkbox"/>																				
FAULT CATEGORY																				
Landing Gear				General																
<input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio		<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions		<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled		<input type="checkbox"/> Other											
	<hr/>																			

# Picklist Print

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Page 12

Work Order ID: 99940

\*99940\*  
\*646 4001\*

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

MS27039-1-21

Purchased

No

Each

343.0000

\*\*

4

\*MS27039-1-21\*

SCREW

Shp

Location	Loc Qty	Loc Code
ST306	43	
115935	43	

Location	Loc Qty	Loc Code
ST506	300	
124326	300	

Each 478.0000

\*\*

124326  
2

MS27039-1-20

Purchased

No

Screw

Shp

Location	Loc Qty	Loc Code
st510	478	
124326	478	

Each 848.0000

\*\*

124326  
22

MS27039-1-19

Purchased

No

Screw

2x11

Shp

Location	Loc Qty	Loc Code
ST306	102	
122814	2	
123522	100	

Location	Loc Qty	Loc Code
ST506	746	
124326	746	

Each 2.0000

\*\*

124326  
1  
B99-391

646.3717

Manufactured

No

Doubler

Shp

Location	Loc Qty	Loc Code
ST139B	2	
125083	2	

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled							

# Picklist Print

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Page 13

Work Order ID: 99940

\*99940\*

Parent Item: 646.4001

\*646 4001\*

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Required Date: 4/30/13

646.3718

Manufactured No

Each 45.0000

\*\*

\*646 3718\*

Custom Washer

*Shp*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139A	7	
125083	7	

646.3719

Manufactured No

Each 24.0000

\*\*

\*646 3719\*

Doubler

*Shp*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST139B	24	
125083	24	

MS27039-1-10

Purchased No

Each 321.0000

\*\*

\*MS2703951-10\*

Screw

*Shp*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
GA	100	
120449	100	
ST305	101	
122815	1	
124859	100	
ST308	18	
123522	18	
ST506	102	
124326	102	

*124326*

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
Part No. _____			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier	Engineering Quality Other				
Root Cause		Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
Landing Gear				General							
Bending		Bend		Grain		Ovalized		Pressure/Forced			
Centre Not Concentric to O/S		BOM/Route		Hardware		Over/Under tolerance		Temperature/Cure			
Cracks		Broken/Damaged		Inspection Incomplete		Part Incorrect		Weld			
Crushed/Crimped		Burrs		Instructions Incomplete/Unclear		Part Lost/Missing		Wrong Stock Pulled			
Cuffs		Contamination		Maintenance		Part Moved					
Heat Treat		Countersink		Mislabeled		Positioned Wrong					
Inspection Strip in Tube		Cut Too Short		Misread		Power Loss/Surge		Other			
Ripples in Bend		Drill Holes		Offset							
Torque Waves in Extrusion		Drawing		Out of Calibration							
Turning Sequence		Finish		Out of Sequence							
Wave/Twist in Tube		Folio		Outside Dimensions							

# Picklist Print

April-16-13 12:36:51 PM

Page 14

Work Order ID: 99940

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99940\*  
\*646 4001\*

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

AN3-11A  
\*AN3-11A\*  
Bolt

Purchased No Each 672.0000

\*\*

8

600.0990  
\*600 0990\*  
Magnabond 6398 Part A (One 4 oz can)

Purchased No Each 9.0000

\*\*

123709  
0  
120865

600.0991  
\*600 0991\*  
Magnabond 6398 Part B (One 4 oz can)

Purchased No Each 9.0000

\*\*

1  
M120865  
2

600.1012  
\*600 1012\*  
Sealant (One 6 oz Semkit)

Purchased No Each 9.0000

\*\*

1  
13616

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>			
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions						
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other						
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled						

# Picklist Print

April-16-13 12:36:51 PM

Page 15

Work Order ID: 99940

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

\*99940\*  
\*646 4001\*

600.0129

\*600-0129\*  
VHB-Tape (75935A651-mcmaster)

Purchased

No

f

128.0000

\*\*

8

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

600.1013

\*600-1013\*  
Tape Primer

Sh

Purchased

No

Location

ST

125031

Loc Qty

128

128

Each

Loc Code

945.0000

\*\*

125031

5

646.3910

\*646-3910\*  
Shim

Sh

Manufactured

No

Location

ST139A

125154

Loc Qty

945

945

Each

Loc Code

72.0000

\*\*

126154

4

646.3911

\*646-3911\*  
Shim

Sh

Manufactured

No

Location

ST139B

125083

ST139d

93238

Loc Qty

22

22

50

50

Each

Loc Code

20.0000

\*\*

125083

2

93238

2

93362

1

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS															
			Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Use-as-is <input type="checkbox"/>	Work Order Update <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Machining <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	Engineering <input type="checkbox"/>	Quality <input type="checkbox"/>	Other <input type="checkbox"/>
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance		Initial Chief Eng	Action Description			Sign & Date	Verification		QC Inspector								
Doc/Data																					
Equip/Tooling																					
Operator																					
Material																					
Setup																					
Other																					
Process																					
Supplier																					
Training																					
Unapproved																					
FAULT CATEGORY																					
Landing Gear					General																
					Bending <input type="checkbox"/>	Bend <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/>												
					Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Hardware <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Temperature/Cure <input type="checkbox"/>												
					Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Inspection Incomplete <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Weld <input type="checkbox"/>												
					Crushed/Crimped. <input type="checkbox"/>	Burrs <input type="checkbox"/>	Instructions Incomplete/Unclear <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>												
					Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Maintenance <input type="checkbox"/>	Part Moved <input type="checkbox"/>													
					Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Mislabeled <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>													
					Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Misread <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Other <input type="checkbox"/>												
					Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>	Offset <input type="checkbox"/>														
					Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>	Out of Calibration <input type="checkbox"/>														
					Turning Sequence <input type="checkbox"/>	Finish <input type="checkbox"/>	Out of Sequence <input type="checkbox"/>														
					Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>	Outside Dimensions <input type="checkbox"/>														

# Picklist Print

April-16-13 12:36:51 PM

Page 16

Work Order ID: 99940

\*99940\*  
\*646 4001\*

Parent Item: 646.4001

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Start Qty: 1.00

Required Date: 4/30/13

Required Qty: 1.00

646.3912

\*646 3912\*  
Shim

Manufactured No

Each 73.0000

4

\*\*

Location	Loc Qty	Loc Code
ST139A	22	
125083	22	
ST139d	51	
93423	51	

646.3913

\*646 3913\*  
Shim

Manufactured No

Each 36.0000

\*\*

Location	Loc Qty	Loc Code
ST139B	16	
125083	16	
ST139d	20	
93160	20	

AN3-12A

\*AN3-12A\*  
Bolt

Purchased No

Each 59.0000

\*\*

Location	Loc Qty	Loc Code
GA	6	
122407	6	
ST351	5	
114536	1	
123352	4	
ST512	48	
123759	48	

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>			
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>			
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>			
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>				
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Setup										
Other										
Process										
Supplier										
Training										
Unapproved										
FAULT CATEGORY										
Landing Gear				General						
				Bending <input type="checkbox"/>	Grain <input type="checkbox"/>	Ovalized <input type="checkbox"/>	Pressure/Forced <input type="checkbox"/>			
				Centre Not Concentric to O/S <input type="checkbox"/>	BOM/Route <input type="checkbox"/>	Over/Under tolerance <input type="checkbox"/>	Temperature/Cure <input type="checkbox"/>			
				Cracks <input type="checkbox"/>	Broken/Damaged <input type="checkbox"/>	Part Incorrect <input type="checkbox"/>	Weld <input type="checkbox"/>			
				Crushed/Crimped. <input type="checkbox"/>	Burrs <input type="checkbox"/>	Part Lost/Missing <input type="checkbox"/>	Wrong Stock Pulled <input type="checkbox"/>			
				Cuffs <input type="checkbox"/>	Contamination <input type="checkbox"/>	Part Moved <input type="checkbox"/>				
				Heat Treat <input type="checkbox"/>	Countersink <input type="checkbox"/>	Positioned Wrong <input type="checkbox"/>				
				Inspection Strip in Tube <input type="checkbox"/>	Cut Too Short <input type="checkbox"/>	Power Loss/Surge <input type="checkbox"/>	Other <input type="checkbox"/>			
				Ripples in Bend <input type="checkbox"/>	Drill Holes <input type="checkbox"/>					
				Torque Waves in Extrusion <input type="checkbox"/>	Drawing <input type="checkbox"/>					
				Turning Sequence. <input type="checkbox"/>	Finish <input type="checkbox"/>					
				Wave/Twist in Tube <input type="checkbox"/>	Folio <input type="checkbox"/>					

# Picklist Print

April-16-13 12:36:51 PM

Page 17

Work Order ID: 99940

\*99940\*

Parent Item: 646.4001

\*646 4001\*

Parent Item Name: AS350 Cable Cutter

Start Date: 4/16/13

Required Date: 4/30/13

MS27039-1-16

Purchased

No

Each

70.0000

\*\*

Start Qty: 1.00

Required Qty: 1.00

\*MS27039-1-16\*

Screw

Sp

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST306	70	
122993	70	122993

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION			AGAINST DEPARTMENT/PROCESS					
			Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>				
			Scrap <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Quality <input type="checkbox"/>				
			Use-as-is <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>				
			Work Order Update <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											
FAULT CATEGORY											
<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions							
				<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other							
				<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled							

**APICAL**  
INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO 03079

SHEET 1 JF 1

DWG NO. 646.4000

REV: A

PREPARED  
BY: N.CAP

DATE: 03/21/11

EFFECT ON DWG  
□ INC. ☒ UNINC.

DWG TITLE: AS350 CABLE CUTTERS KIT

APPROVED BY:

ENGR:

*J. Bane*

MFG:

*David Bane*

QC:

*Mark J. Jones*

EFF:

NEXT ORDER

TRANSACTION CODES (TC):  
A-ADD C-CREATE  
R-REVISE D-DELETE

REASON: CREATED FIXED AND CCK WITHOUT FIXED PROVISIONS KIT

SHEET 1, BOM, IS:

UNCO

SUBT

W.O.

NO. 99940 M-5

13-04-16

REF	REF	REF	65	6475701	GPS MOUNT KIT		
1	6	64	6013151	WASHER	WASHER		
2	2	63	6012911	SCREW	SCREW	MS24694333	
2	2	62	6012637	SCREW	SCREW	MS27039-1-16	
2	2	61	6012763	BOLT	BOLT	MS2-12A	
1	1	60	6463913	SHIM	SHIM		
4	4	59	6463912	SHIM	SHIM		
1	1	58	6463911	SHIM	SHIM		
4	4	57	6463910	SHIM	SHIM		
5	5	56	6001013	PRIMER	PRIMER		
8 FT	8 FT	55	6000129	VHB TAPE	VHB TAPE		
1	1	54	6001012	SEALANT	SEALANT	PR-102 CLASS B	
4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL SPEC

1	1	53	6000991	WAGNDING 6398 PART B			
1	1	52	6000990	WAGNDING 6398 PART A			
8	8	51	6012826	BOLT	MS2-12A		
2	2	50	6463814	WIPER BRACKET			
2	2	49	6012910	SCREW	MS27039-1-16		
2	2	48	601365	SCREW	MS27039-1-16		
2	2	47	6463719	DOUBLER			
2	2	46	6463718	CUSTOM WASHER			
1	1	45	6463717	DOUBLER			
22	22	44	6011948	SCREW	MS27039-1-16		
2	2	43	6011952	SCREW	MS27039-1-26		
4	4	42	6011956	SCREW	MS27039-1-23		
2	2	41	6012829	SCREW	MS24694334		
2	2	40	6012831	RIVET	MS2465403-7		
1	1	39	6463716	GAUGE BRACKET			
6	6	38	6011953	SCREW	MS27039-1-12		
2	2	37	6463715	STRUT DOUBLER			
2	2	36	6012824	BOLT	MS2-5A		
36	36	35	6012277	RIVET	MS246433-3-22		
18	18	34	6000795	NUTPLATE	MS2347-3		
3	3	33	6012565	RIVET	MS2470405-7		
1	1	32	6463913	STRUT BRACKET			
4	4	31	6012822	BOLT	MS-24		
2	2	30	6463812	GUSSET BRACKET			
8	8	29	6012564	RIVET	MS2470405-6		
1	1	28	6463714	GUSSET			
1	1	27	6463610	FILLER			
1	1	26	6012830	SCREW	MS24694333		
2	2	25	6012825	BOLT	MS2-6A		
1	1	24	6463811	RADIUS BLOCK			
1	1	23	6463712	CLIP			
1	1	22	6463711	CLIP			
8	8	21	6012832	RIVET	MS2470405-3		
14	14	20	6012020	RIVET	MS2203-5-3		
10	10	19	6012823	BOLT	MS2-12A		
1	1	18	6012827	BOLT	MS2-12A		
5	5	17	6012912	SCREW	MS24694331		
1	1	16	6463713	GUSSET			
1	1	15	6463210	SUPPORT			
1	1	14	6463710	DOUBLER			
1	1	13	6463110	CHANNEL			
8	16	12	6011624	LOCKNUT	MS21412-3		
18	116	11	6011607	WASHER	MS24694330		
1	1	10	6463411	RH WIPER DEFLECTOR			
1	1	9	6463410	LH WIPER DEFLECTOR			
1	1	8	6463513	STRUT			
1	1	7	6463512	STRUT			
1	1	6	6463511	STRUT			
1	1	5	6463510	STRUT			
2	2	4	6463810	BRACKET			
1	1	3	6462910	DEFLECTOR			
1	1	2	6463001	LOWER CUTTER ASSY			
1	1	1	6463301	UPPER CUTTER ASSY			
X	X		6464004	FIXED PROVISIONS KIT			
X	X		6464003	WIRE CENTER SET 400000			
X	X		6464008	AS350-WIPER-DEFLECTOR-ASSY			
4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL SPEC

DOCUMENTS EFFECTED:

MDL  INSTALL INSTRUC  ICA  BOM

CHANGE CATEGORY  
 MAJOR  MINOR

DER REVIEW REQUIRED  
 YES  NO

99940

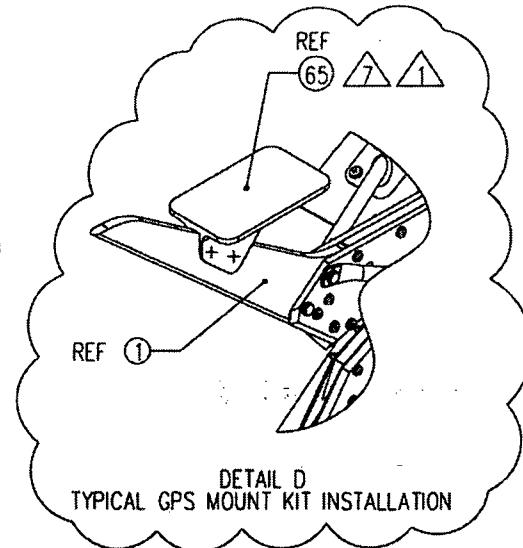
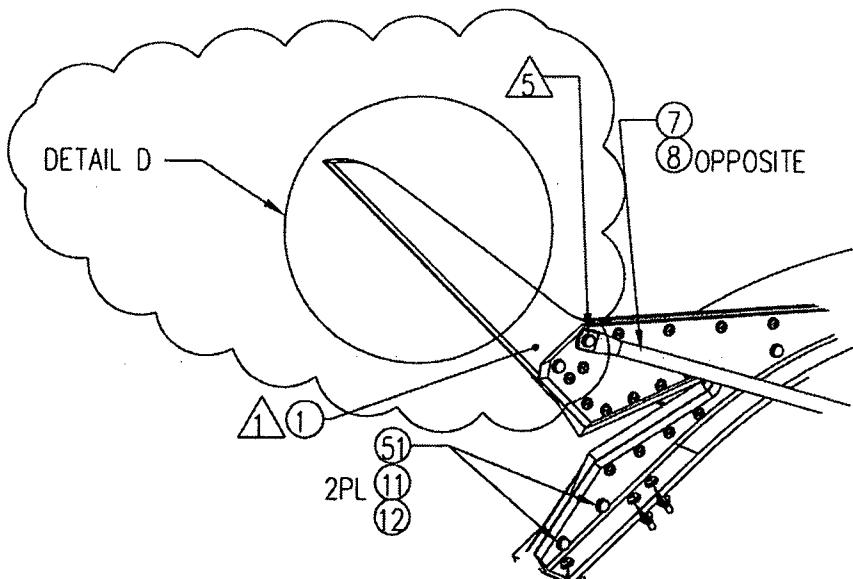
APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03046			SHEET 1 OF 1	
	DWG NO. 646.4000	REV: A	PREPARED BY J. JACKSON	DATE: 01/24/11	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.
DWG TITLE: AS350 CABLE CUTTERS KIT					
APPROVED BY: ENGR <i>P. Brane</i>	MFG <i>David Parker</i>	QC <i>Moshe Lerner</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: ADDED GPS MOUNT KIT, F/N 65. REVISED DRAWING VIEWS. ADDED NOTE 7.			

SHEET 1, ZONE B1 IS:

 AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A4 IS:

SHEET 2, ZONE B2 IS:

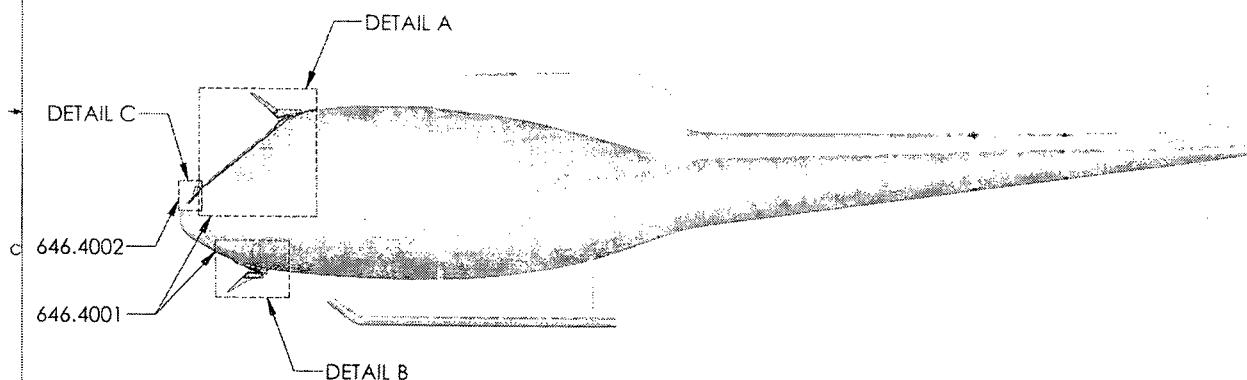


65	A	647.5701	REF	GPS MOUNT KIT		
F/N	TC	PART NUMBER	.4001	DESCRIPTION	MATERIAL	SPECIFICATION
			QTY			
DOCUMENTS EFFECTED:			<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR		CHANGE CATEGORY	DER REVIEW REQUIRED
					<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

99940

V1.1S

1. AFTER INS ALLIGATION, APPLY I/N 54 A/R TO FILL GAPS AND FILLET EDGES
2. INSTALL F/N 14 WITH F/N 52 & 53
3. 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE  
VENDOR: MCMASTER-CARR P/N 7593SA651
4. 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE  
VENDOR: R.S. HUGHES P/N 021200-24216
5. REUSE FASTENERS FROM F/N 1
6. USE WASHERS AS REQUIRED AS SHIMS TO OBTAIN BEST FITMENT



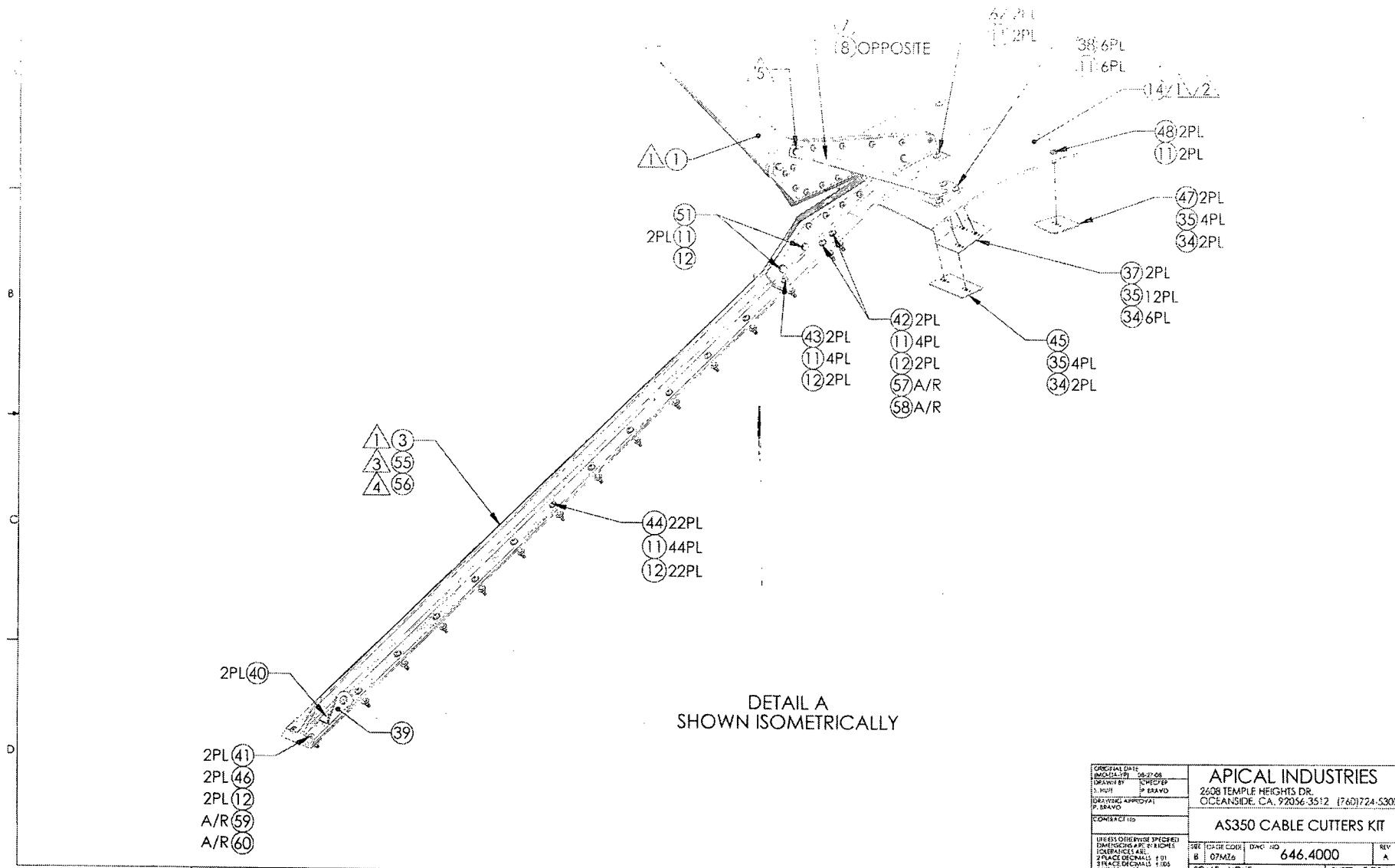
QTY	FIND #	PART #	DESCRIPTION	MATE	SPEC.
6	64	601.3151	WASHER	NAS144HQ36P	
2	63	601.2911	SCREW	MS24694553	
2	62	601.2637	SCREW	MS27039.1-16	
2	61	601.2763	BOLT	AN3.12A	
1	60	646.3913	SHIM		
4	59	646.3912	SHIM		
1	58	646.3911	SHIM		

Cable Cutter

QTY	FIND #	PART #	DESCRIPTION	MATE	SPEC.
1	64	601.3151	WASHER	NAS144HQ36P	
2	63	601.2911	SCREW	MS24694553	
2	62	601.2637	SCREW	MS27039.1-16	
2	61	601.2763	BOLT	AN3.12A	
1	60	646.3913	SHIM		
4	59	646.3912	SHIM		
1	58	646.3911	SHIM		
1	57	601.2822	SCREW	MS27039.1-16	
1	56	601.2824	BOLT	AN3.6A	
1	55	601.2825	SCREW	MS27039.1-16	
1	54	601.2826	BOLT	AN3.6A	
1	53	601.2827	SCREW	MS27039.1-16	
1	52	601.2828	BOLT	AN3.6A	
1	51	601.2829	SCREW	MS27039.1-16	
1	50	646.3814	SCREW	MS27039.1-16	
1	49	601.2910	SCREW	MS27039.1-16	
2	48	601.1365	SCREW	MS27039.1-16	
2	47	646.3712	DOUBLER		
2	46	646.3713	CUSTOM WASHER		
1	45	646.3712	DOUBLER		
2	44	601.1948	SCREW	MS27039.1-16	
2	43	601.1952	SCREW	MS27039.1-16	
4	42	601.1956	SCREW	MS27039.1-16	
2	41	601.2827	SCREW	MS27039.1-16	
2	40	601.2831	RIVET	MS27039.1-16	
39	39	646.3713	GAUGE BRACKET		
6	38	601.1953	SCREW	MS27039.1-17	
2	37	646.3715	STRUT DOUBLER		
2	36	601.2824	BOLT	AN3.6A	
36	35	601.2777	RIVET	CP27039.1-16	
18	34	600.0793	NUTPLATE	MS21047.1-16	
3	33	601.2865	RIVET	MS27039.1-16	
1	32	646.3813	STRUT BRACKET		
4	31	601.2822	BOLT	AN3.6A	
2	30	646.3812	GUSSET BRACKET		
6	29	601.2554	PIVET	MS27039.1-16	
1	28	646.3714	GUSSET		
1	27	646.3610	FILLER		
1	26	601.2830	SCREW	MS27039.1-16	
2	25	601.2825	BOLT	AN3.6A	
1	24	646.3811	FACIUS BLOCK		
1	23	646.3712	CLIP		
1	22	646.3711	CLIP		
8	21	601.2832	RIVET	MS27039.1-16	
14	20	601.2020	RIVET	CR27039.1-16	
10	19	601.2823	BOLT	AN3.6A	
1	18	601.2827	BOLT	AN3.13A	
5	17	601.2912	SCREW	MS27039.1-16	
1	16	646.3713	GUSSET		
1	15	646.3210	SUPPORT		
1	14	646.3710	DOUBLER		
1	13	646.3110	CHANNEL		
5	12	601.1624	LOCKNUT	MS21047.1-16	
16	11	601.1607	WASHER	MS21047.1-16	
1	10	646.3410	RH WIPER DEFLECTOR		
1	9	164.3410	LH WIPER DEFLECTOR		
1	8	646.3513	STRUT		
1	7	646.3512	STRUT		
1	6	646.3511	STRUT		
1	5	646.3510	STRUT		
2	4	646.3810	BRACKET		
1	3	646.2910	DEFLECTOR		
1	2	646.3001	LOWER CUTTER ASSY		
1	1	646.3301	UPPER CUTTER ASSY		
		646.4002	AS350 WIPER DEFLECTOR KIT		
		646.4001	AS350 CABLE CUTTERS KIT		
QTY	FIND #	PART #	DESCRIPTION	MATE	SPEC.

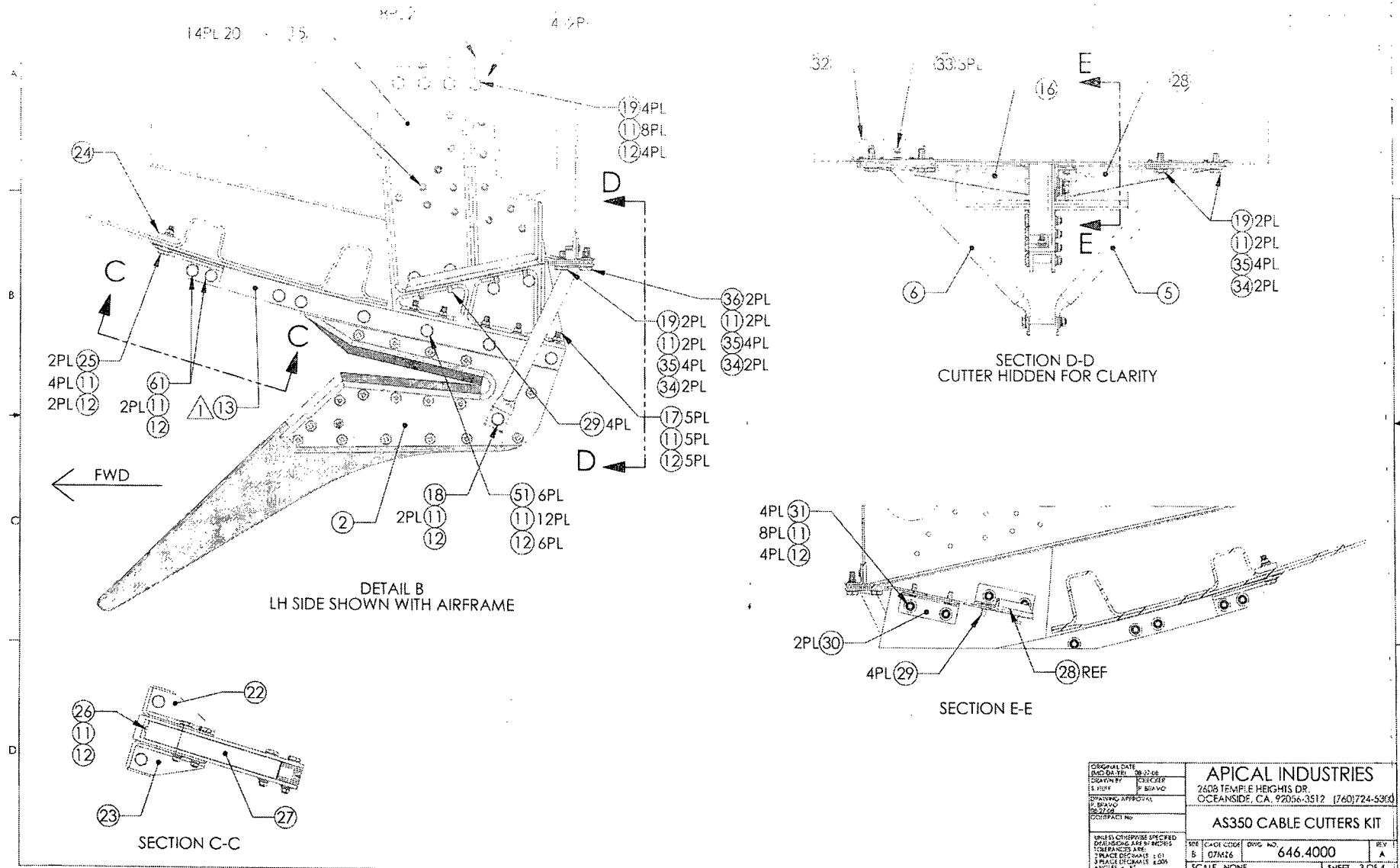
NEXT ASSY (\$)		APICAL INDUSTRIES	
IND00419	682.00	2608 TEMPLE HEIGHTS DR.	OCEANSIDE, CA 92056-3512 (760)724-5300
15 HUTCH	P.BRAVO		
DRAWING APPROVAL	P.BRAVO		
CONTRACTOR			
AS350 CABLE CUTTERS KIT			
UNLESS OTHERWISE SPECIFIED ALL PARTS ARE TO BE 304 STAINLESS STEEL 1/8" PLATE THICKNESS 1/2" PLATE DIAMETER ANGLES 3.5"		ITEM	QTY
		CAKE CODE	071416
		ITEM NO.	646.4000
		SCALE IS HOME	A
		SHEET	1 OF 4

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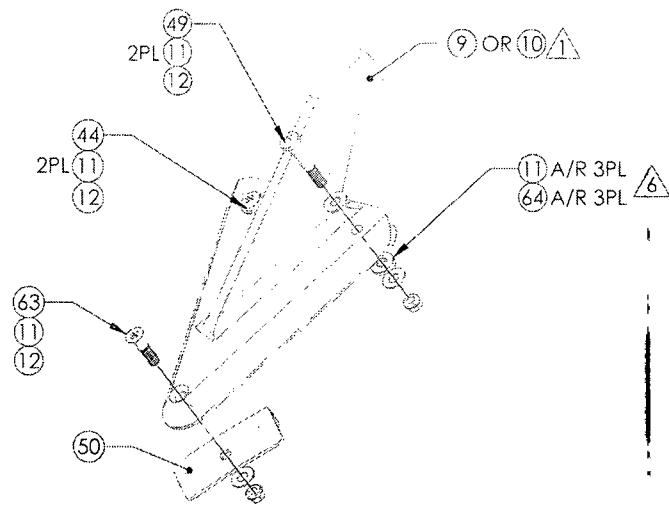
ORIGINAL DATA	APICAL INDUSTRIES
APICAL INDUSTRIES	2608 TEMPLE HEIGHTS DR.
DATE 01-11-99	OCEANSIDE, CA 92056-3512 (760)724-5300
DRAWN BY	CHECKED
J. M. BRAVO	J. BRAVO
DESIGNING APPROVAL	
P. BRAVO	
CONTRACTING	
UNLESS OTHERWISE SPECIFIED	AS DRAWN
ALL DIMENSIONS IN INCHES	DATE 01-11-99
EXCEPTIONS ARE	CODE 07/06
2 PLACES DECIMAL POINTS	DNC 646.4000
ANCHORS 3"	SCALE: NONE
	REV A
	Sheet 2 of 4

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ORIGINAL DATE	APICAL INDUSTRIES
IMC-DT-01 08-27-08	2609 TEMPLE HEIGHTS DR.
DESIGNED BY	OCEANSIDE, CA 92056-3512 (760)724-5300
REV-A	
SPANNING APPROVAL	
P. BRAVO	
DISCRAFT NO.	
UNLESS OTHERWISE SPECIFIED ALL PARTS ARE 100% STAINLESS STEEL COMPONENTS ARE 3 PLATE THICKNESS 1.205 ANGLES + 3°	AS350 CABLE CUTTERS KIT
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DETAIL C  
LH SHOWN EXPLODED  
RH OPPOSITE

ORIGINAL PART IM350X-101 DR-27-08	APICAL INDUSTRIES 2609 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92055-3512 (760)724-5300
AS350 CABLE CUTTERS KIT	
UNITS OF ONE PIECE(S) SPECIFIED DRAWINGS ARE IN INCHES 2 PLACE DECIMALS 1/16 INCHES 100% INSPECTION 100% ANGLES $\pm 2^\circ$	SET CAGE CODE DAD NO. 646.4000 REV. A
B 07M26	SCALE NONE SHEET 4 OF 4

